# CONTENTS OF *VETERINARY PARASITOLOGY*, VOLUME 34

## VOL. 34 NOS. 1–2 NOVEMBER 1989

Hemostatic alterations in pigs fed sublethal doses of *Sarcocystis miescheriana*
A. Daugschies, E. Altfeld and M. Rommel (Hannover, F.R.G.) ..... 1
The role of males of the bont tick (*Amblyomma hebraeum*) in the transmission of *Cowdria ruminantium* (heartwater)
H.R. Andrew and R.A.I. Norval (Causeway, Zimbabwe) ..... 15
Serodiagnosis of acute toxoplasmosis in macropods
A.M. Johnson, H. Roberts (Bedford Park, S.A., Australia), P. Statham and B.L. Munday (Launceston, Tasmania, Australia) ..... 25
Dynamics of elimination of the eggs of *Fasciola hepatica* (Trematoda, Digenea) in the faeces of cattle in the Porma Basin, Spain
C. Gonzalez-Lanza, Y. Manga-Gonzalez, P. Del-Pozo-Carnero and R. Hidalgo-Arguello (León, Spain) ..... 35
Comparative study of early-season prophylaxis using ivermectin with lungworm vaccination in the control of parasitic bronchitis and gastroenteritis in cattle
D.E. Jacobs, J. Foster, G. Gowling, J.G. Pilkington, M.T. Fox (Hatfield, Gt. Britain) and W.G. Ryan (Rahway, NJ, U.S.A.) ..... 45
Effects of exogenous progesterone and/or prolactin on *Haemonchus contortus* infections in ovariectomized ewes
M.W. Fleming and S.D. Conrad (Beltsville, MD, U.S.A.) ..... 57
Production and distribution of immunoglobulin-bearing cells in the intestine of young pigs infected with *Ascaris suum*
C.O. Marbella and S.M. Gaafar (West Lafayette, IN, U.S.A.) ..... 63
Efficacy of three broad-spectrum anthelmintics against gastrointestinal nematode infections of goats
T.P. Charles, J. Pompeu and D.B. Miranda (Petrolina-PE, Brazil) ..... 71
Effect of a single strategically timed dose of fenbendazole on cow and calf performance
J.A. Stuedemann (Watkinsville, GA, U.S.A.), H. Ciordia (Experiment, GA, U.S.A.), G.H. Myers (Somerville, NJ, U.S.A.) and H.C. McCampbell (Athens, GA, U.S.A.) ..... 77
Emergence from inhibited development of cyathostome larvae in ponies following failure to remove them by repeated treatments with benzimidazole compounds
M. Eysker, J.H. Boersema and F.N.J. Kooyman (Utrecht, The Netherlands) ..... 87
Isolation and partial characterisation of a potentially pathogenic cysteine proteinase from adult *Dictyocaulus viviparus*
A.A. Rege, M.H. Dresden (Houston, TX, U.S.A.), C.-Y. Song (Seoul, Korea) and H.J. Bos (Boxmeer, The Netherlands) ..... 95
The effect of stocking rate and parasite control on the performance of replacement beef heifers on pasture
J.W. Hansen, A.M. Zajac, D.E. Eversole and H.J. Gerken, Jr. (Blacksburg, VA, U.S.A.) ..... 103
Host association, on-host longevity and egg production of *Ctenocephalides felis felis*
M.W. Dryden (West Lafayette, IN, U.S.A.) ..... 117

Transmission of *Theileria buffeli* to cattle by *Haemaphysalis bancrofti* fed on artificially infected mice
N.P. Stewart, A.J. de Vos, I.A. Shiels and W.K. Jorgensen (Wacol, Qld., Australia) ..... 123
Experimental production of tick pyaemia
K.A. Webster and G.B.B. Mitchell (Ayr, Gt. Britain) ..... 129
Internal parasites of horses on mixed grassveld and bushveld in Transvaal, Republic of South Africa)
R.C. Krecek, R.K. Reinecke and I.G. Horak (Onderstepoort, South Africa) ..... 135

**Short Communications**
A *Neospora*-like protozoon found in an aborted bovine placenta
H.L. Shivaprasad (Urbana, IL, U.S.A.), R. Ely (Stillwater, OK, U.S.A.) and J.P. Dubey (Beltsville, MD, U.S.A.) ..... 145
Ultrastructure of sarcocysts from water buffalo in India
J.P. Dubey (Beltsville, MD, U.S.A.), C.A. Speer (Bozeman, MT, U.S.A.) and H.L. Shah (Madhya Pradesh, India) ..... 149
Ultrastructural differentiation between sarcocysts of *Sarcocystis hirsuta* and *Sarcocystis hominis*
J.P. Dubey (Beltsville, MD, U.S.A.), C.A. Speer (Bozeman, MT, U.S.A.) and W.A.G. Charleston (Palmerston North, New Zealand) ..... 153
Ovine sporozoan encephalomyelitis linked to *Sarcocystis* infection
J.P. Dubey (Beltsville, MD, U.S.A.), C.A. Speer (Bozeman, MT, U.S.A.), B.L. Munday (Launceston, Tasmania, Australia) and T.P. Lipscomb (Washington, DC, U.S.A.) ..... 159
Soluble antigens from culture-grown *Besnoitia besnoiti* endozoites
V. Shkap, H. Ungar-Waron and E. Pipano (Bet Dagan, Israel) ..... 165

**About the Authors** ..... 171

**Guide for Authors** ..... 179

**VOL. 34 NO. 3** **DECEMBER 1989**

Efficacy of diclazuril in the control of intestinal coccidiosis in rabbits
O. Vanparijs, L. Desplenter and R. Marsboom (Beerse, Belgium) ..... 185
Latex agglutination test for detecting *Trichinella spiralis* infections in pigs using muscle extract
S.T. Haralabidis, S.I. Frydas and C.A. Himonas (Thessaloniki, Greece) ..... 191
Cellular distribution, purification and electrophoretic properties of malate dehydrogenase in *Trichuris ovis* and inhibition by benzimidazoles and pyrimidine derivatives
M. Sanchez-Moreno, J.E. Ortega and A. Valero (Granada, Spain) ..... 203
Comparison of three in vitro techniques to estimate benzimidazole resistance in *Haemonchus contortus* of sheep
M.V. Johanson (Frederiksberg C, Denmark) and P.J. Waller (Glebe, N.S.W., Australia) ..... 213
Induction of protective immunity in calves immunized with adult *Oesophagostomum radiatum* somatic antigens
L.C. Gasbarre (Beltsville, MD, U.S.A.) and A. Canals (Madrid, Spain) ..... 223

Effect of anthelmintic treatment of dairy cattle on milk production related to some parameters estimating nematode infection
H.W. Ploeger, G.J.W. Schoenmaker, A. Kloosterman (Wageningen, The Netherlands) and F.H.M. Borgsteede (Lelystad, The Netherlands) ..... 239
Efficacy of nemadectin, a new broad-spectrum endectocide, against natural infections of canine gastrointestinal helminths
M.E. Doscher, I.B. Wood, J.A. Pankavich and C.A. Ricks (Princeton, NJ, U.S.A.) ..... 255
The carrier status of sheep, cattle and African buffalo recovered from heartwater
H.R. Andrew and R.A.I. Norval (Causeway, Zimbabwe) ..... 261
Erratum ..... 267
About the Authors ..... 269

**VOL. 34 NO. 4** **JANUARY 1990**

The effects of bovine tick resistance on the susceptibility of *Hyalomma anatolicum anatolicum* to infection with *Theileria annulata* (Ankara)
C.M. Rubaire-Akiiki (Kampala, Uganda) ..... 273
Preliminary trials using a macrocyclic lactone against psoroptic scabies of cattle
F.C. Wright (Kerriville, TX, U.S.A.) ..... 289
Haemorrhagic pandcarditis in cattle infected with *Trypanosoma vivax*
B.A. Kimeto, G.M. Mugera and P.N. Nyaga (Kabete, Kenya) ..... 295
The relationships among ecto- and endoparasite levels, Class 1 antigens of the bovine major histocompatibility system, immunoglobulin E levels and weight gain
M.J. Stear (Canberrra, A.C.T., Australia), D.J.S. Hetzel, M.J. Mackinnon (Rockhampton, Qld., Australia), S.C. Brown, F.W. Nicholas (Sydney, N.S.W., Australia) and L.J. Gershwin (Davis, CA, U.S.A.) ..... 303
Appetite, digestive efficiency, feed utilization and carcass evaluation of housed calves naturally infected with gastrointestinal nematodes
S.L. Bell (Newcastle upon Tyne, Gt. Britain), R.J. Thomas (Lusaka, Zambia) and M.T. Ferber (Sandwich, Gt. Britain) ..... 323
A drug incubation infectivity test (DIIT) for assessing resistance to trypanosomes
R. Kaminsky, I.D. Gumm, F. Chuma (Nairobi, Kenya) and E. Zweygarth (Kikuyu, Kenya) ..... 335
The dispersion of the Karoo paralysis tick, *Ixodes rubicundus*, within a naturally infested population of sheep in South Africa
T.N. Petney (Grahamstown, South Africa) and L.J. Fourie (Bloemfontein, South Africa) ..... 345

**Short communications**

Immunization of pigs with culture antigens of *Taenia solium*
K.M.L. Pathak (Bikaner, India) and S.N.S. Gaur (Pantnagar, India) ..... 353
Prevalence of *Toxoplasma gondii* infection in man and animals in Guangdong, Peoples Republic of China
L. Shen, L. Zhichung, Z. Biaucheng and Y. Huayuan (Guangdong, Peoples Republic of China) ..... 357